

Then, when the next spaces go under the tablets cassettes containing the tablets a, b and d, respectively, the tablets a, b and d only to be taken in the afternoon are dropped into the spaces.

Lastly, when the third spaces go under the tablets cassettes containing the tablets a, b and e, respectively, the tablets a, b and e only to be taken in the evening are dropped into the spaces.

Of course, the tablets dropped into the spaces are packed dose by dose as described above for delivery to a patient.

The above supply method of medicine according to the present invention makes it possible to continuously pack different tablets as prescribed to be taken in the morning, afternoon and evening, respectively. It is possible to print date and time of taking medicine on the packing sheet by means of a printer.

As discussed above, the supply device of medicine used in an automatic counting and packing system is designed to supply a variety of different tablets, supplied from a plurality of tablet cassettes, to a packing means in the central position dose by dose at a time by means of a pair of distributing portions. The supply device of medicine according to the present invention is also be able to continuously supply a dose of tablets to a pair of distribution portions, so that tablets can be supplied and packed quickly.

Further, the present invention is designed for tablet powder to be removed by spraying and sucking air, thereby ensuring a sanitary use of an automatic counting and packing system for a long time.

#### **What is claimed is:**

1. A supply device of medicine used in an automatic counting and packing system according to the present invention, which is designed to supply a plurality of tablets discharged from tablet cassettes dose by dose to a hopper as an element of a packing means and to have the packing means pack the tablets dose by dose, comprising two tablet distribution conveyors, each of which is disposed on both sides in the transverse direction under tablet cassettes and has a conveyor belt which is rotated repeatedly by power and on the outer surface of which a plurality of partition plates stand upright in a state of being spaced apart

from each other as distant as the width of a table cassette, a tablet supply means for feeding tablets, fed by said two tablet distribution conveyors dose by dose which is mounted between said tablet distribution conveyors, to a hopper of a packing means, and powder removing means for removing tablet powder which are disposed under said tablet distribution conveyors and mounted beside said tablet supply means;

2. A supply device of medicine used in an automatic counting and packing system according to claim 1, wherein pin mounting portions are formed on both upper sides of the belt, pins are mounted at the end portion of partition plates, both ends of each pin are mounted at pin mounting portions, and a plurality of elastic members are installed at each pin to elastically support both sides of each partition plate so that each partition plate can stand upright;

3. A supply device of medicine used in an automatic counting and packing system according to claim 1, wherein said tablet supply means comprises a tablet supporting plate mounted apart under between said tablet distribution conveyors, two tablet feeding plates for pushing a plurality of tablets out of said tablet supporting plate to a hopper of a packing means, and a tablet supply conveyor having the belt 5a spaced at equal distances and moving said tablet feeding plates mounted on the belt 5.

4. A supply device of medicine used in an automatic counting and packing system according to claim 1, wherein a powder removing means comprises an alcohol spray nozzle disposed under each tablet distribution conveyor, an air spray nozzle disposed under each tablet distribution conveyor and mounted by one side of the table supply means, and a powder suction port for sucking tablet powder which is separated from each tablet distribution conveyor and said tablet supply means by air pressure of said air spray nozzle; and

5. A supply method of medicine to be carried out by a supply device of medicine used in an accounting and packing system according to the present invention comprising a process of distributing portions, divided by said partition plates, moving toward the center from the side, a process of tablets being supplied dose by dose to each corresponding distributing portion of each tablet distribution conveyor when said distributing portions come under a plurality of tablet cassettes